18. Explain the architecture of ADO.NET

19. Develop a web-based application to show the employee details using a Data Bound Control. which is stored in a database.

20. Explain how to read and write dataset into xml.

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APRIL/MAY 2025

BSCS65 — ASP.NET (SBS IV)

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Write the features of ASP.NET?

2. What is meant by page life cycle in ASP.NET?

3. Contrast client-side and server-side validation methods

4. Outline the validation controls available in ASP.NET?

5. What is the role of data-bound controls?

6. What is the purpose of DataGrid control.?

7. Define data binding in the context of web development.

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8. Provide the names of four web applications

9. Define: SOAP.

10. What is web service description language?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Elaborate on the core principles of the .NET framework

Or

(b) Provide an outline of the basic page structure of ASP.NET.

12. (a) Discuss the concept of state management in ASP.NET.

Or

(b) Write an ASP.NET program for email validation.

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13. (a) Explain the process of creating a database connection using ADO.NET.

Or

(b) Write the procedure for connecting a database with the DataGrid control.

14. (a) Explain the fundamental concepts of data binding.

Or

(b) Write brief notes on binding standard web server controls.

15. (a) Describe the core concepts of XML.

Or

(b) Discuss the deployment of web applications.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the different controls available in ASP.NET.

17. Illustrate two validation controls in ASP.NET with an example.